Setting up the Hydro, Coal and Gas-Based Power Plants

645. SHRI VIJAY J. DARDA: Will the Minister of POWER be pleased to state:

(a) how many power plants, hydro, coal and gas-based are proposed to be set up in the Tenth Plan Period and how much power generation would result year-wise from 2005 onwards;

(b) what is the quantum of shortage of power in India State-wise and when will it be possible to provide requisite power to our farmers, rural or semi-urban small industries, cold storages, etc. with a view to increasing income of rural and tribal people; and

(c) what is the perspective planning for another two decades for proceeding towards generating power to meet all our requirements and what are the details thereof?

THE MINISTER OF POWER (SHRI P.M. SAYEED): (a) A generation capacity addition target of 41,110 MW comprising 14393 MW hydro, 25417 MW thermal (20553 MW coal, 4750 MW gas, 114 MW diesel) and 1300 MW nuclear has been envisaged for benefits during 10th Plan. The peak availability at the end of 10th Plan is estimated to be 101428 MW and the energy availability at the end of 10th Plan is expected to be 623252 million units.

(b) The present shortages in the peak demand is 10% and energy shortage is 6.3%. State-wise details of present peak shortages are in the Statement (*See* below) and energy shortages are in the statement (*See* below). Prevailing shortages are likely to be completely bridged by end of 11th Plan *i.e.* 2011-12.

(c) A capacity addition of over 1,00,000 MW have been targeted during 10th & 11th Plans to meet country's total requirement of power. Of this a capacity addition of 41,110 MW has been targeted for 10th Five Year Plan and another 60,000 MW is being targeted to be added in 11th Five Year Plan. In addition perspective plan has been drawn up to create shelf of projects under 50,000 MW Hydro initiative and 1,00,000 MW Thermal initiative, which could be taken up for execution from 11th Plan and beyond.

Statement-I

State-wise details of Present Peak Shortage and Peak demand/Peak Met (April-November, 2004)

(in MW)

State/System/Region	Peak Demand	Peak Met	Surplus	Deficit (%)
Chandigarh	224	224	0	0.00
Delhi	3558	3490	-68	-1.9
Haryana	4037	3621	-416	-10.3
Himachal Pradesh	615	615	0	0.0
Jammu & Kashmir	1251	1151	-100	-8.0
Punjab	7122	5559	-1563	-21.9
Rajasthan	4414	4414	0	0.00
Uttar Pradesh	7877	6268	-1609	-20.4
Uttaranchal	846	794	-52	-6.1
Northern Region	**26834**	**24125**	**-2709**	**-10.1**
Chhattisgarh	1789	1670	-119	-6.7
Gujarat	10162	7427	-2735	-26.9
Madhya Pradesh	5670	4846	-824	-14.5
Maharashtra	14708	11709	-2999	-20.4
Daman & Diu	200	200	0	0.0
Dadar N. Haveli	391	391	0	0.0
Goa	356	356	0	0.0
Western Region	**30414**	**24049**	**-6365**	**-20.9**
Andhra Pradesh	7957	7843	-114	-1.4
Karnataka	5927	5360	-567	-9.6
Kerala	2427	2292	-135	-5.6
Tamil Nadu	7365	7275	-90	-1.2
Pondicherry	230	230	0	0.0
Southern Region	**23075**	**21928**	**-1147**	**-5.0**
Bihar	980	980	0	0.0
DVC	1347	1310	-37	-2.7
Jharkhand	572	555	-17	-3.0
Orissa	2195	2150	-45	-2.1

State/System/Region	Peak Demand	Peak Met	Surplus	Deficit (%)
West Bengal+Sikkim	3900	3800	-100	-2.6
Eastern Region	**8340**	**8320**	**-20**	-0.2
Arunachal Pradesh	54	54	0	0.0
Assam	659	621	-38	-5.8
Manipur	103	103	0	0.0
Meghalaya	255	207	-48	-18.8
Mizoram	69	63	-6	-8.7
Nagaland	70	69	-1	-1.4
Tripura	188	159	-29	-15.4
North Eastern Region	**1247**	**1128**	**-119**	**-9.5**
All India	**85911**	**77281**	**-8630**	**-10.0**

Source: Central Electricity Authority.

Statement-II

State-wise Details of Energy Shortages and Actual Power Supply Position (April-November, 2004)

(in MU)

State/System/Region	Requirement	Availability	Surplus	Deficit (%)
Chandigarh	810	809	-1	-0.1
Delhi	14913	14784	-129	-0.9
Haryana	15178	14357	-821	-5.4
Himachal Pradesh	2638	2625	-13	-0.5
Jammu & Kashmir	5197	4931	-266	-5.1
Punjab	24545	22500	-2045	-8.3
Rajasthan	18438	18362	-76	-0.4
Uttar Pradesh	34673	27765	-6908	-19.9
Uttaranchal	3037	2976	-61	-2.0
Northern Region	119429	109109	-10320	-8.6
Chhattisgarh	7709	7629	-80	-1.0

State/System/Region	Requirement	Availability	Surplus	Deficit (%)
Gujarat	39030	34455	-4575	-11.7
Madhya Pradesh	20926	19091	-1835	-8.8
Maharashtra	59067	53460	-5607	-9.5
Daman & Diu	733	733	0	0.0
Dadar N. Haveli	1144	1144	0	0.00
Goa	1388	1388	0	0.00
Western Region	**129997**	**117900**	**-12097**	**-9.3**
Andhra Pradesh	33049	32945	-104	-0.3
Karnataka	22061	21122	-939	-4.3
Kerala	8245	8160	-85	-1.0
Tamil Nadu	30396	30306	-90	-0.3
Pondicherry	1024	1024	0	0.0
Southern Region	**94775**	**93557**	**-1218**	**-1.3**
Bihar	4604	4445	-159	-3.5
DVC	5989	5941	-48	-0.8
Jharkhand	2346	2300	-46	-2.0
Orissa	9192	9156	-36	-0.4
West Bengal + Sikkim	15699	15512	-187	-1.2
Eastern Region	**37830**	**37354**	**-476**	**-1.3**
Arunachal pradesh	104	104	0	0.0
Assam	2579	2447	-132	-5.1
Manipur	367	359	-8	-2.2
Meghalaya	907	817	-90	-9.9
Mizoram	151	141	-10	-6.6
Nagaland	219	215	-4	-1.8
Tripura	480	443	-37	-7.7
North Eastern Region	**4807**	**4526**	**-281**	**-5.8**
All India	**386838**	**362446**	**-24392**	**-6.3**

Source: Central Electricity Authority.